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Set	Items	Description
S1	80911	(SONG? ? OR MOVIE? ? OR FILE? ? OR MULTIMEDIA OR AUDIO OR - VIDEO OR STREAM??? OR FLOW) (4N) (SERVER? ? OR HOST OR SITE? ?)
S2	73294	(SONG? ? OR MOVIE? ? OR FILE? ? OR MULTIMEDIA OR AUDIO OR - VIDEO OR STREAM??? OR FLOW) (4N)STOR???
S3	4586	S2 (4N) (BUFFER OR RAM OR FIFO OR QUEUE OR TEMPOR???????)
S4	239	S1 (S) S3
S5	22	S4 (S) (INTERNET OR WEB)
S6	17312	S1 (S) (INTERNET OR WEB)
S7	431	S6 (S) PLAYER
S8	18	S7 (S) WIRELESS
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Set	Items	Description
S1	728	DISTRIBUTED (3W) VIDEO
S2	11	S1 (1W) PLAYER
S3	8165	(INTERNET OR WEB) (S) PLAYER
S4	511	S3 (S) WIRELESS
S5	101	S4 (S) (SERVER OR HOST)
S6	67	S5 (S) (SONG? ? OR LISTEN????? OR VIEW????? OR AUDIO OR VIDEO OR MULTIMEDIA)
S7	34	S5 NOT S6
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8/9/13 (Item 6 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
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091658

PacketVideo improves wireless video

Byline: Jason Meserve

Journal: Network World

Publication Date: February 20, 2001

Word Count: 407 Line Count: 39

Text:

CANNES, FRANCE - **Wireless** users may soon see improved video quality on their handheld and mobile devices with the new release of PVPlatform 2.0 from PacketVideo, announced this week at the 3GSM World Congress. PVPlatform combines authoring, server and **player** software for creating video for **wireless** devices such as a cellular phone or PDA. New in Version 2.0 is support for the MPEG-4 audio/video format, which is designed to be used over a broader array of bandwidths than previous versions of MPEG, which required fat **Internet** connections. Also, the new release features FrameTrack, a PacketVideo-designed technology that is said to adjust the video frame rate based on the receiving device's connection speed. "We can scale continuously between 9.6K bit/sec and 768K bit/sec with a single encoded file," says Edward Knapp, a senior vice president at San Diego PacketVideo. Most video encoders require multiple files to serve multiple bandwidths or can only step between certain bandwidths when packet loss occurs. Most **wireless** users will not see 768K bit/sec connections until the 3G **wireless** networks are available, which is still a few years down the road. PVAuthor lets customers encode their existing media files or live presentations into MPEG-4 for delivery via PVServer. A new feature in Version 2.0 is PV Voice-Over-Pix, which takes a high-quality image and streams it in the background with audio. This is useful for narrowband users that need audio more than video. Users can input AVI, BMP, JPEG, WAV, MPEG-1 and live audio/video feeds into PVAuthor for encoding. PVServer supports any of the existing cellular and **wireless** delivery protocols and runs on Solaris, Linux and HP-UX operating systems. The latest release can work with bill tracking software and can support multiple PVAuthors (meaning multiple data feeds.) The authoring tool and server can deliver to any MPEG-4 compliant **player**, but work better with PacketVideo's own **player**, PVPlayer. Knapp says PacketVideo is working with all the major cellular phone chipset providers to embed the PVPlayer technology into silicon, making it easier for phones to view MPEG-4 content. The company is also offering localization capabilities with support for English, French, German, Italian, Japanese, Korean and Spanish languages. Applications for PVPlatform include CEO addresses and remote training. PacketVideo, through its PVAirGuide content **site**, shows live traffic **video** from its San Diego headquarters as a demonstration of the technology. Specific pricing for PVPlatform has not been set and will be flexible for each customer's needs, Knapp says. PacketVideo: www.packetvideo.com

not good date

8/9/16 (Item 9 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
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090004

The buzz around streaming media

Byline: Jason Meserve

Journal: Network World

Publication Date: December 14, 2000

Word Count: 823 Line Count: 83

Text:

not gnt

SAN JOSE - That buzz you hear coming from California this week is not the sound of overworked electrical generators, but the hype surrounding online multimedia here at Streaming Media West.

There are some 275 exhibitors at the show, filling up nearly every corner of the San Jose Convention Center, all hoping to grab some part of a pie that will have an estimated size of \$50 billion by 2005, according to Deutsche Bank. 2001 could be a banner year for **streaming**, with vendors from the **server**, network and software sides of the business all working to make streaming more efficient in the corporate network.

To kick off the show, archrivals RealNetworks and Microsoft issued dueling product announcements for the latest releases of their respective streaming platforms. RealNetworks Monday introduced its RealSystem iQ product for delivering streaming media over content delivery and corporate networks. The system includes a new proxy server and Version 8 of the company's RealServer for hosting and delivery of media files.

Microsoft followed suit on Tuesday, when company President Steve Ballmer introduced Windows Media audio and video 8 during his keynote. Though the company's version numbering scheme seems like an attempt to keep pace with RealNetworks, the actual technology seems impressive, based on demos and Microsoft-supplied statistics about its new encoder/decoder software. Version 8 is said to be able to deliver near-DVD-quality video across a 500K bit/sec connection, down from 750K bit/sec in the previous release for similar quality.

MPEG 4 also is a hot topic here. Many vendors previewed products that support the yet-to-be-ratified standard that uses layering technology to deliver higher-quality streams to narrow and broadband connections with a single file. Unlike previous versions of MPEG, which deliver just plain audio and video, MPEG 4 contains a number of features for adding interactivity and support for multiple rich media streams within the same presentation.

Unlike the technologies used by RealNetworks and Microsoft, MPEG 4 will not be a proprietary format requiring that the **player** and server software come from the same vendor. MPEG 4 is designed to be the Java of streaming media: write once, play anywhere.

Other highlights from the show include:

- Eloquent, maker of streaming media presentation software, shed its proprietary media format, opting instead to use Windows Media Technology in Version 6.1 of its Eloquent Communications Server (ECS). Also added to ECS 6.1 is the ability for users to convert their own PowerPoint slides and adding video from a desktop **Web** cam. Users also can integrate existing rich media files into their presentation more easily.
- PacketVideo, makers of **wireless** video technology for cellular phones and palm-size PCs, launched its new PV Airguide, a **Web** site for **wireless** users that want to get streaming media content on their handhelds. The company has already signed on 40 media companies that will serve content through the guide. Users can view both on-demand clips and live feeds, such as traffic cams.
- ISP TeleGlobe announced it is getting into the streaming media business with a new portfolio content delivery services. The company is currently rolling out **streaming media servers** to its global network, with 10% of the planned implementation in place already. The goal is to push media closer to the content consumer for better playback by avoiding network congestion.
- StarBak showed off its latest rack-mount hardware for streaming video out to many simultaneous users from a lights-out environment. The Torrent 100 is a \$7,000 rack unit that can handle 1,000 concurrent streams (depending on the size of the stream) and serve about 80M bit/sec of data. The server runs Linux and can serve up Windows Media, Apple QuickTime and MPEG from its 30-gigabyte hard drive. A bigger unit with support for Fibre Channel connections to big storage system is due out next year.
- Virage announced Syndication Manager 2.0, an application for managing streaming content that is being delivered to partner sites. Syndication Manager allows customers to set up packages of content that can be accessed by certain partners and contain a specific look and feel. Version 2.0 also allows customers to track how their content is being used and viewed.
- SeeItFirst.com announced SeeitFirst Live 2.0 and SeeItFirst Now authoring tools for creating interactive multimedia presentations on the fly. The Live product is

designed for live Webcasts. Using a Web-based interface, presenters can push video, slides, polls, Web pages and other information to those watching on a PC. Both product offerings are available now and are priced at around \$2,500 for a single event.

 ViewCast.com, which makes the line of Osprey capture cards, introduced the new Osprey-210 and 220 analog capture boards that feature CD-quality sound processing. The company also demonstrated its Osprey-500 for capturing digital audio and video.

Related links:

Yahoo's Yang says streaming is at critical mass
Network World, 12/13/00.

Ballmer outlines Microsoft's media future
Network World, 12/12/00.

Internet streaming media alliance formed
Network World, 12/12/00.

Mercury Interactive tests streaming media apps
Network World, 12/11/00.

RealNetworks gets network delivery friendly
Network World, 12/11/00.

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